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ABSTRACT

One of the major goals of science reform today is that of scientific literacy for all students. In recent years there has been an increased awareness of the need to incorporate science firmly throughout the elementary curriculum to insure that this goal of scientific literacy is met. This book offers a new vision for preparing prospective teachers of grades K-6 in science content and pedagogy. The chapters are: chapter 1, Improving Science Education: A Continuing Challenge; chapter 2, How Well Are Elementary Teachers Being Prepared in Science?; chapter 3, The Qualities of an Effective Teacher of Science; chapter 4, Educating Prospective Teachers in Science: A New Vision; chapter 5, Developing Science Content Knowledge; chapter 6, Learning How To Teach Science; and chapter 7, Designing an Effective Preservice Program for Science. The book concludes with recommendations. (ZWH)

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